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- (1) 380/4
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- (5) 380/21
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- (7) 380/50
- (8) 380/59
- (9)
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- (F) Front page
- (D) Drawings
- (S) Specification
- (S1) First page of Specification (US only)
- (S2) First two pages of Specification (US only)
- (C) Claims
- (CC) Changes/Corrections (US only)
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11 SEP 1997 13:16:28

U.S. Patent & Trademark Office

P0001

*

* Welcome to MESSENGER (APS Text) at USPTO *

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* The USPTO production files are current through: *

* 09 SEP 1997 for U.S. Patent Text Data. *

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* * PLEASE USE 305-9000 FOR NEW TELEPHONE NUMBER * *

*

* U.S. patents from 1970 will be available in a new USOCR file *

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* will still find pre-1971 patents in the image system, in *

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11 SEP 1997 13:17:12 U.S. Patent & Trademark Office P0003

=> s (computer# or network#)/ti,ab
9535 COMPUTER#/TI
27438 COMPUTER#/AB
7060 NETWORK#/TI
22435 NETWORK#/AB

L1 52871 (COMPUTER# OR NETWORK#)/TI,AB

=> s (sell### or sale# or vend### or buy###)/ti,ab
33 SELL###/TI
191 SELL###/AB
300 SALE#/TI
1256 SALE#/AB
1251 VEND###/TI
1523 VEND###/AB
9 BUY###/TI
149 BUY###/AB

L2 3430 (SELL### OR SALE# OR VEND### OR BUY###)/TI,AB

=> s l1 and l2
L3 292 L1 AND L2

=> s (period# or time#)/ti,ab and l3
612 PERIOD#/TI
44337 PERIOD#/AB
10823 TIME#/TI
166384 TIME#/AB
L4 69 (PERIOD# OR TIME#)/TI,AB AND L3

=> d cit,ab 1-69

1. 5,664,111, Sep. 2, 1997, Computerized, multimedia, network, real time, interactive marketing and transactional system; Kenneth Nahan, et al., 705/27 [IMAGE AVAILABLE]

US PAT NO: 5,664,111 [IMAGE AVAILABLE]

L4: 1 of 69

ABSTRACT:

The present invention includes a system and method of electronically executing transactions with a preprogrammed main computer having data and image storage and retrieval equipment. A plurality of electronic images of works of art which are for sale are created by at least one listing dealer and stored on the storage equipment associated with the main computer. Data is input about each stored image and input data is associated with each corresponding stored image. A plurality of preprogrammed intelligent terminals each having data storage and retrieval equipment, at least one display screen and at least one input device, located at at least one listing dealer location and at at least one buying dealer location communicate with the main computer. Search criteria are input through the intelligent terminals for selecting at least one of the stored electronic images for review. Selected images and corresponding data are communicated to the intelligent terminals and at least a portion of the selected electronic images are displayed. A reservation on at least one of the displayed

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11 SEP 1997 13:30:12

U.S. Patent & Trademark Office

P0032

US PAT NO: 3,733,840 [IMAGE AVAILABLE]

L4: 67 of 69

a method and apparatus for automatically sanitizing the water network periodically. The sanitizing cycle includes heating the water in the network to a sanitizing temperature and recirculating the heated water throughout the network. Stored ice is melted and its water may be allowed to join with the circulating water. Once the water in the network has reached the desired sanitizing temperature, it is maintained at that level long enough to ensure the destruction of any bacteria and slime which may have formed. Naturally the sanitizing cycle is set to occur during periods when the icemaker is normally not being used.

68. 3,596,256, Jul. 27, 1971, TRANSACTION COMPUTER SYSTEM HAVING MULTIPLE ACCESS STATIONS; Norman Alpert, et al., 395/865; 364/222.81, 225, 226.3, 227.3, 231.4, 231.5, 234, 234.1, 235, 237, 237.2, 237.4, 238, 238.3, 238.6, 238.7, 241, 244, 244.4, 245.5, 245.6, 265, 266.3, 266.5, 271, 271.1, DIG.1; 379/93.14 [IMAGE AVAILABLE]

US PAT NO: 3,596,256 [IMAGE AVAILABLE]

L4: 68 of 69

ABSTRACT:

A time-sharing system for entering into a central data processing unit information relating to transactions separately conducted at multiple remote access stations, and for processing and storing portions of this input information and returning portions of the processed data as messages to the remote stations, part of which data is displayed and/or printed. The returned messages also include indications to the operator of the remote station as to the next step that he should perform toward completing entry of the transaction. Each remote station is polled and enabled to transmit information to the central unit during a time slot in each complete cycle of time slots, but every remote station has its display refreshed with processed display data transmitted during every time slot to every remote station from the central unit, the display data always being composed into message blocks at the central unit prior to transmission thereof to the remote units. The time slots are brief and the rate at which the remote units are polled is very high as compared with the rate at which an operator can physically enter one input character, and therefore each remote unit when polled transmits to the central unit during its time slot only a single encoded data character and/or encoded program instruction, and the computer processes this fragmentary information accumulated during successive time slots, and over the succession of a large number of time-slot cycles it assembles and associates the complete data relating to the diverse transactions being simultaneously performed at many access stations. The drawings and specification provide an illustrative embodiment in which the remote stations are sales-point retail registers operated by clerks delivering sales data to a store's central processing unit and receiving back messages for displaying and printing out sales slip information.

69. 3,581,072, May 25, 1971, AUCTION MARKET COMPUTATION SYSTEM; Frederick Nymeyer, 395/237; 235/61M; 340/825.3 [IMAGE AVAILABLE]

US PAT NO: 3,581,072 [IMAGE AVAILABLE]

L4: 69 of 69

ABSTRACT:

A special purpose digital computer matches orders and establishes market prices in an auction market for fungible goods. Priced orders to buy are arranged in descending order by price and priced orders to sell are arranged in ascending order by price within each price range, all orders are arranged in descending order by time of placement so that the older orders are uppermost. All compatibly priced orders are then matched starting with

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11 SEP 1997 13:30:42 U.S. Patent & Trademark Office P0033

US PAT NO: 3,581,072 [IMAGE AVAILABLE] L4: 69 of 69
the highest priced order to **buy** and the lowest priced order to **sell** and proceeding sequentially until all compatibly priced pairs of orders have been matched. The prices accompanying the last pair of orders to be matched are then used to establish a trading price for all of the matched pairs and a new market price for future transactions. Unpriced or "at market" orders are assigned prices based upon the market price, unless the market price is substantially below the prices of all priced **buy** orders or substantially above the price of all priced **sell** orders, in which case the unpriced orders are not assigned prices until a new market price has been established.

=> file uspat
FILE 'USPAT' ENTERED AT 13:30:51 ON 11 SEP 1997

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*****
*           WELCOME TO THE           *
*           U. S.  PATENT TEXT FILE   *
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=> dis his

(FILE 'USPAT' ENTERED AT 13:16:59 ON 11 SEP 1997)
SET PAGELength 62
SET LINELENGTH 78

L1 52871 S (COMPUTER# OR NETWORK#)/TI,AB
L2 3430 S (SELL### OR SALE# OR VEND### OR BUY###)/TI,AB
L3 292 S L1 AND L2
L4 69 S (PERIOD# OR TIME#)/TI,AB AND L3

FILE 'USPAT' ENTERED AT 13:30:51 ON 11 SEP 1997

=> s computer# or network#
194722 COMPUTER#
134511 NETWORK#
L5 289955 COMPUTER# OR NETWORK#

=> s l5 and (sell### or sale# or vend### or buy###)
10525 SELL###
31267 SALE#
10496 VEND###
12546 BUY###
L6 12639 L5 AND (SELL### OR SALE# OR VEND### OR BUY###)

=> s l6 and (period# or time#)
645856 PERIOD#
1546267 TIME#
L7 11956 L6 AND (PERIOD# OR TIME#)

=> s l7 and compar?
943059 COMPAR?
L8 8503 L7 AND COMPAR?

=> s l8 and time#
1546267 TIME#
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11 SEP 1997 13:35:37      U.S. Patent & Trademark Office      P0034
L9      8468 L8 AND TIME#

=> s l9 and computer#
      194722 COMPUTER#
L10     7185 L9 AND COMPUTER#

=> s encrypt### or scrambl### or encipher### or crypto?
      3935 ENCRYPT###
      4936 SCRAMBL###
      685 ENCIPHER###
      4101 CRYPTO?
L11     11181 ENCRYPT### OR SCRAMBL### OR ENCIPHER### OR CRYPTO?

=> s l10 and l11
L12     857 L10 AND L11

=> s l12 and compar?(3w)time#
      943059 COMPAR?
      1546267 TIME#
      27463 COMPAR?(3W)TIME#
L13     70 L12 AND COMPAR?(3W)TIME#

=> s l13 and period#
      645856 PERIOD#
L14     61 L13 AND PERIOD#

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L1      52871 S (COMPUTER# OR NETWORK#)/TI,AB
L2      3430 S (SELL### OR SALE# OR VEND### OR BUY###)/TI,AB
L3      292 S L1 AND L2
L4      69 S (PERIOD# OR TIME#)/TI,AB AND L3

      FILE 'USPAT' ENTERED AT 13:30:51 ON 11 SEP 1997
L5      289955 S COMPUTER# OR NETWORK#
L6      12639 S L5 AND (SELL### OR SALE# OR VEND### OR BUY###)
L7      11956 S L6 AND (PERIOD# OR TIME#)
L8      8503 S L7 AND COMPAR?
L9      8468 S L8 AND TIME#
L10     7185 S L9 AND COMPUTER#
L11     11181 S ENCRYPT### OR SCRAMBL### OR ENCIPHER### OR CRYPTO?
L12     857 S L10 AND L11
L13     70 S L12 AND COMPAR?(3W)TIME#
L14     61 S L13 AND PERIOD#

=> s l5 not l6
L15     277316 L5 NOT L6

=> s l15 and purchas###
      52269 PURCHAS###
L16     7522 L15 AND PURCHAS###

=> s l16 and period# and time#
      645856 PERIOD#
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11 SEP 1997 13:42:22 U.S. Patent & Trademark Office P0035

1546267 TIME#

L17 4100 L16 AND PERIOD# AND TIME#

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(FILE 'USPAT' ENTERED AT 13:16:59 ON 11 SEP 1997)

SET PAGELENGTH 62

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L1 52871 S (COMPUTER# OR NETWORK#)/TI,AB

L2 3430 S (SELL### OR SALE# OR VEND### OR BUY###)/TI,AB

L3 292 S L1 AND L2

L4 69 S (PERIOD# OR TIME#)/TI,AB AND L3

FILE 'USPAT' ENTERED AT 13:30:51 ON 11 SEP 1997

L5 289955 S COMPUTER# OR NETWORK#

L6 12639 S L5 AND (SELL### OR SALE# OR VEND### OR BUY###)

L7 11956 S L6 AND (PERIOD# OR TIME#)

L8 8503 S L7 AND COMPAR?

L9 8468 S L8 AND TIME#

L10 7185 S L9 AND COMPUTER#

L11 11181 S ENCRYPT### OR SCRAMBL### OR ENCIPHER### OR CRYPTO?

L12 857 S L10 AND L11

L13 70 S L12 AND COMPAR?(3W)TIME#

L14 61 S L13 AND PERIOD#

L15 277316 S L5 NOT L6

L16 7522 S L15 AND PURCHAS###

L17 4100 S L16 AND PERIOD# AND TIME#

=> s l17 and computer#

194722 COMPUTER#

L18 2983 L17 AND COMPUTER#

=> s l11

3935 ENCRYPT###

4936 SCRAMBL###

685 ENCIPHER###

4101 CRYPTO?

L19 11181 ENCRYPT### OR SCRAMBL### OR ENCIPHER### OR CRYPTO?

=> s l18 and l19

L20 197 L18 AND L19

=> s l20 and compar?(3w)time#

943059 COMPAR?

1546267 TIME#

27463 COMPAR?(3W)TIME#

L21 17 L20 AND COMPAR?(3W)TIME#

=> s l14 or l21

L22 78 L14 OR L21

=> d cit,ab 1-78

1. 5,656,799, Aug. 12, 1997, Automated package shipping machine; Gary W. Ramsden, et al., 177/2, 25.14, 25.15 [IMAGE AVAILABLE]

US PAT NO: 5,656,799 [IMAGE AVAILABLE]

L22: 1 of 78

13:45:53 COPY AND CLEAR PAGE, PLEASE

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11 SEP 1997 13:50:53 U.S. Patent & Trademark Office P0064

US PAT NO: 4,123,747 [IMAGE AVAILABLE] L22: 76 of 78

ABSTRACT:

An improved method for verifying the identity of a prospective terminal user presenting an identification card or a credit card and a memorized personal identification number. Only part of the information necessary to correlate an account number to a personal identification number is available at any accessible place in the operating system. Neither the credit card, the host ~~computer~~, nor the transmission link will ever have sufficient information to completely correlate an account number to a personal identification number.

77. 4,081,832, Mar. 28, 1978, Pay television system, method and apparatus; Herbert Sherman, 380/16; 348/3; 380/17, 19 [IMAGE AVAILABLE]

US PAT NO: 4,081,832 [IMAGE AVAILABLE] L22: 77 of 78

ABSTRACT:

An improved pay TV method and apparatus is disclosed, characterized in that the program to be broadcast is encoded to effect electrical inversion of selected groups of lines of the program, thereby to ~~scramble~~ and disguise the video and audio signals. Simultaneously with the encoding of the program, a card is marked with programming, subscriber and area/month identifying information, which card is transmitted to the subscriber. During the actual broadcasting of the program, the subscriber inserts his card into a punch/reader in the subscriber box unit that is connected with his television receiver. When the subscriber selects a program for paid viewing, his subscriber card is punched, and decoder means operable by information contained on the subscriber's card serve to electrically reinvert those lines which were initially inverted by the encoder means, whereby the program is unscrambled for unimpaired viewing, and the sound is made audible. The subscriber's card is subsequently processed by the broadcaster for the preparation of a bill that is sent to the subscriber.

78. 3,668,307, Jun. 6, 1972, TWO-WAY COMMUNITY ANTENNA TELEVISION SYSTEM; William W. Face, et al., 348/12; 340/286.06; 348/14; 380/20; 455/5.1, 6.3 [IMAGE AVAILABLE]

US PAT NO: 3,668,307 [IMAGE AVAILABLE] L22: 78 of 78

ABSTRACT:

A two-way community antenna or closed circuit television system or community cable television system which permits two-way communication (including voice communication) through a transmission center from and between various terminals, such as schools, homes, hospitals, doctor's offices, community centers, industrial sites and the like. A control center including a properly programmed digital ~~computer~~ continuously interrogates the system over a forward control channel and receives responses from the terminals over a return control channel. The ~~computer~~ also controls transmissions between the transmission center and the terminals and between the terminals via the transmission center. Each terminal is provided with a control unit for communication with the control center. The system utilizes an appropriate bridging amplifier or other suitable means to convert to a two-way link a portion of the transmission cable interconnecting the transmission center and the terminals. The system also contemplates the use of channel allocations between 0 and 300 MHz, it being practical to allocate in this range certain portions for return transmission channels for programs originating at the terminals and certain portions for extra forward transmission channels for special programs originating at the transmission center.

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=> s l25 and period#/ti,ab and time#/ti,ab

612 PERIOD#/TI

44337 PERIOD#/AB

10823 TIME#/TI

166384 TIME#/AB

L26 7 L25 AND PERIOD#/TI,AB AND TIME#/TI,AB

=> d cit,ab 1-7

1. 5,655,089, Aug. 5, 1997, Method for the consolidation summarization and transmission of a plurality of mailable materials; Joseph J. Bucci, 395/240; 235/379, 380; 364/464.11; 379/134, 135; 395/200.34, 200.36, 234, 241 [IMAGE AVAILABLE]

US PAT NO: 5,655,089 [IMAGE AVAILABLE]

L26: 1 of 7

ABSTRACT:

Analysis has revealed that there is an undue proliferation of first-class mail being sent each month in the nature of bills, statements and similar such documents. Analysis has also revealed that this produces an unnecessary expense for postage and processing, besides the costs involved in purchasing the paper and envelopes to begin with.

The method of the invention avoids this through the single mailing of one or more two-sided documents on which is presented all the bills, statements, etc. intended for a given recipient during a specified period of time, for all subscribers to the service.

In accordance with the described embodiment of the invention, the method forms a computer database of addressee information; merges with that database all such record information provided by subscribers; prints out one or more sheets, preferably on both sides, of all information intended for designated recipients during the time period in question; and allows for a single mailing of such sheets in a single envelope.

2. 5,594,794, Jan. 14, 1997, Method and apparatus for free previews of communication network services; Mark Eyer, et al., 380/20, 21 [IMAGE AVAILABLE]

US PAT NO: 5,594,794 [IMAGE AVAILABLE]

L26: 2 of 7

ABSTRACT:

Limited duration previews of program offerings available for purchase via a communication network are provided in a cryptographically secure manner at virtually any time during the service. The invention has particular applicability to the provision of video services on a pay-per-view basis. Such a video service is provided during a program epoch. A fixed period is defined during the program epoch when portions of the video service are available for viewing on a preview basis. A consumer is allowed to preview, without purchase, portions of the video service at any time during the fixed period for up to a maximum preview duration that is shorter than the fixed period. The consumer can then purchase the video service for viewing during the program epoch after previewing portions thereof. A plurality of records is maintained to service different previewable programs concurrently.

3. 5,592,537, Jan. 7, 1997, Method of providing message service for limited access telecommunications; Arthur J. Moen, 379/67, 112, 114, 142, 144 [IMAGE AVAILABLE]

US PAT NO: 5,592,537 [IMAGE AVAILABLE]

L26: 3 of 7

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11 SEP 1997 13:55:54 U.S. Patent & Trademark Office P0069

US PAT NO: 3,947,660 [IMAGE AVAILABLE] L26: 7 of 7
counters in response to each category signal. The signals in the first buffer storage are added, in turn, by a price adder whose final output therefor shows the total price of all items in the transaction. A grand total adder operates in parallel with the price adder and is cleared after predetermined time periods rather than after each transaction. The signals from the price adder and the grand total adder are supplied through multiplexers to series display and printout devices. A switch is furnished to convert the system to a computer only by disabling the print-out, display, and grand total circuits.

=> file jpoabs
FILE 'JPOABS' ENTERED AT 13:56:02 ON 11 SEP 1997

* J A P A N E S E P A T E N T A B S T R A C T S *
*
* CURRENTLY, DATA IS LOADED THROUGH THE ABSTRACT PUBLICATION *
* DATE OF NOVEMBER 1996. *
* THE LATEST GROUPS RECEIVED ARE: PAJ547 & PAJ548. *

=> s network# or computer#
32553 NETWORK#
65976 COMPUTER#
L27 95364 NETWORK# OR COMPUTER#

=> s sell### or sale# or purchas### or vend### or buy###
1501 SELL###
5028 SALE#
2225 PURCHAS###
5400 VEND###
358 BUY###
L28 11591 SELL### OR SALE# OR PURCHAS### OR VEND### OR BUY###

=> s l27 and l28
L29 785 L27 AND L28

=> s l29 and time# and period#
1047967 TIME#
148612 PERIOD#
L30 18 L29 AND TIME# AND PERIOD#

=> d cit,ab 1-18

1. 08-272762, Oct. 18, 1996, LEARNING METHOD FOR NEURAL NETWORK, AND SALES PREDICTING DEVICE; HIROYUKI TATSUMI, G06F 15/18; G06F 15/18; G06F 17/00
08-272762 L30: 1 of 18

ABSTRACT:

PURPOSE: To prevent a large prediction error from being generated by making the neural network learn so that the total of specific square errors becomes minimum when future time-series data are predicted by inputting the actual result values of time-series data to the neural network.

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11 SEP 1997 13:59:25

U.S. Patent & Trademark Office

P0077

SOFTWARE; KATSUKI SUZUKI, et al., G06F 9/06; G06F 12/14

01-166218

L30: 16 of 18

ABSTRACT:

PURPOSE:To prevent the damage due to a breach of contrast and also to improve the maintenance of the onerous software by outputting a warning message before expiration of a term and also a stop message for a fixed period of time even after the expiration of the term and transmitting these messages to both a user and a maker.

CONSTITUTION:An onerous software offerer (maker) 2 totalize automatically and periodically the contents of a maintenance control file of an onerous software receiver (user) 1 via a public circuit 3, a floppy disk 3, an MT 5, etc. Based on this totalized information, the forfeit is requested by the circuit 3 after the expiration of a term and at the same time the maintenance control is carried out by the man power 4 for sales of new software, the guidance of expiration of a term, etc. While a message, the date of application, the frequency of application, the application period of time of a computer, etc. In such constitution, the damage due to the foul application and the automatic maintenance are ensured for the onerous software.

17. 61-273663, Dec. 3, 1986, TOTAL POINT DISPLAY SYSTEM FOR RECEIPT; HIROSHI FURUBAYASHI, G06F 15/21

61-273663

L30: 17 of 18

ABSTRACT:

PURPOSE:To display the total point in response to the total purchase amount as well as the point corresponding to the purchase amount of this time, by processing a magnetic card after inserting it into a POS having the information read/write function and the calculation function.

CONSTITUTION:A POS 1 set at each store is connected to a computer 2 via a CTL 3 serving as a controller. A customer data bank 4 which records the customer information is connected to the computer 2. The POS 1 contains a reading function for the information written to a magnetic card, a writing function for new information and a calculation function. A customer receives a magnetic card when he/she comes to a store and inserts the cards into the POS 1. Then the customer gives the input of the details of purchase and pushes a total key. The total point 9 corresponding to the purchase amount of a fixed period including the purchase of this time is displayed on a receipt 5 delivered to the customer with the processing of the POS 1 together with the point 8 of this time corresponding to the purchase amount of this time. The new point 9 is recorded to the bank 4 via a CTL 3 and the computer 2.

18. 57-726, Jan. 5, 1982, OPERATION CONTROLLING SYSTEM OF INFORMATION PROCESSOR; YASUHIKO KAWAMURA, et al., G06F 1/00; //G04G 15/00

57-726

L30: 18 of 18

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11 SEP 1997 13:59:42

U.S. Patent & Trademark Office

P0078

57-726

L30: 18 of 18

ABSTRACT:

PURPOSE:To detemine the reasonable sale price of software (SW) by controlling the operation peiod of the SW by giving the SW timer information as mnemonic one and by comparing it with information from a timer mechanism by controlling SW.

CONSTITUTION:An electronic computer 1 loads required SW among various kinds of processing software stored in an external storage device 2 into a storage device 4 and, at the same time, performs various kinds of processing. The loaded processing SW5 is given its characteristic mnemonic code 6. The mnemonic code 6 is information on the intentionally determined operation effective period of the SW at an SW house side. Further, the computer 1 is connected to a timer mechanism 3 and timer information 7 is loaded into the device 4 successively. The computer 1 compares the mnemonic code 6 with the information under the control of controlling SW8; when the mnemonic code is less than the timer information, the SW5 is unexecutable, but when the mnemonic code is equal to or greater than the timer information, the execution is stopped, disabling the operation of the processing SW from this point. Consequently, the reasonable sale price of the SW is set.

=> file uspat

FILE 'USPAT' ENTERED AT 13:59:54 ON 11 SEP 1997

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*               W E L C O M E   T O   T H E               *
*               U . S .   P A T E N T   T E X T   F I L E   *
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(FILE 'USPAT' ENTERED AT 13:16:59 ON 11 SEP 1997)

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L1      52871 S (COMPUTER# OR NETWORK#)/TI,AB
L2      3430 S (SELL### OR SALE# OR VEND### OR BUY###)/TI,AB
L3      292 S L1 AND L2
L4      69 S (PERIOD# OR TIME#)/TI,AB AND L3
    
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FILE 'USPAT' ENTERED AT 13:30:51 ON 11 SEP 1997

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L5      289955 S COMPUTER# OR NETWORK#
L6      12639 S L5 AND (SELL### OR SALE# OR VEND### OR BUY###)
L7      11956 S L6 AND (PERIOD# OR TIME#)
L8      8503 S L7 AND COMPAR?
L9      8468 S L8 AND TIME#
L10     7185 S L9 AND COMPUTER#
L11     11181 S ENCRYPT### OR SCRAMBL### OR ENCIPHER### OR CRYPTO?
L12     857 S L10 AND L11
L13     70 S L12 AND COMPAR?(3W)TIME#
L14     61 S L13 AND PERIOD#
L15     277316 S L5 NOT L6
L16     7522 S L15 AND PURCHAS###
L17     4100 S L16 AND PERIOD# AND TIME#
L18     2983 S L17 AND COMPUTER#
    
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11 SEP 1997 14:00:05 U.S. Patent & Trademark Office P0079
L19 11181 S L11
L20 197 S L18 AND L19
L21 17 S L20 AND COMPAR? (3W) TIME#
L22 78 S L14 OR L21

FILE 'USPAT' ENTERED AT 13:51:16 ON 11 SEP 1997
L23 52579 S L1 NOT L2
L24 2370 S L23 AND PURCHAS###
L25 93 S L23 AND PURCHAS###/TI,AB
L26 7 S L25 AND PERIOD#/TI,AB AND TIME#/TI,AB

FILE 'JPOABS' ENTERED AT 13:56:02 ON 11 SEP 1997
L27 95364 S NETWORK# OR COMPUTER#
L28 11591 S SELL### OR SALE# OR PURCHAS### OR VEND### OR BUY###
L29 785 S L27 AND L28
L30 18 S L29 AND TIME# AND PERIOD#

FILE 'USPAT' ENTERED AT 13:59:54 ON 11 SEP 1997

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INPUT: